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Ali Makoui  
Ali Makoui

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Patent Application for:

James CRAWFORD, et al.

Serial No.: 10/687,520

Filing Date: 10/15/2003

For: IN-LINE SPECTROMETER

Examiner: Fannie L. Evans

Group Art Unit: 2877

**RESPONSE TO OFFICE ACTION**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

In response to the Office Action dated 12/21/2005, please amend the patent application as follows:

**Amendments to the Claims** are reflected in the listing of claims, which begins on page 2 of this paper.

**Remarks** begin on page 11 of this paper.